

ISKO News 23

The 4th International ISKO Conference

Entitled *Knowledge Organization and Change*, this conference will take place in the James Madison Memorial Building, Library of Congress, Washington, DC, July 15-18, 1996 and promises to become a most impressive event. The program is inserted into the middle of this issue of KO together with the registration information. It is hoped that the majority of our membership will recognize the great effort made to present the best of the papers proposed and will feel attracted to participate and to enjoy the personal contacts and conversations with colleagues from many countries of our world.

On July 15, from 9:00am to 4:00pm there will be Discussions and demonstrations of online classification systems and other digital initiatives and products of the Library of Congress and the Dewey Decimal Classification System. During the Conference exhibits will be open from Tuesday to Thursday. We will have our 5th General Assembly (see below) and there will also be a meeting of ISKO's Scientific Advisory Council.

ISKO'96 on INTERNET

Together with info on ISKO, our British Coordinator, Dr. Steve Pollitt has kindly posted the ISKO'96 Preliminary Program at their WWW site and has made it possible for colleagues to submit electronic registrations. It was commented that the form and program really look nice. The ISKO address may be found under the address:
<http://www.hud.ac.uk/schools/cedar/isko.html>.

ISKO General Assembly 1996

The 5th ISKO Assembly (Business Meeting) will take place on Wednesday, July 17, 1996 in the Mumford Room (6th floor, Madison Building) of the Library of Congress at 5:15 pm. All our members are invited to attend. The Agenda proposed includes the following topics:

1. Opening
2. Acceptance of Additions to the Agenda
3. Election of the Assembly Chair and the Secretary
4. The President's Progress Report
5. The Report of the Treasurer
6. Discussion of Points 4 and 5
7. Acceptance and Approval of the two Reports
8. Election of the Auditor and Deputy
9. Treasurer's Proposal to Raise the Membership Fee
10. Proposals of the Membership regarding Further Activities of ISKO
11. Proposals for Topics, Places and Dates for Regional ISKO Conferences
12. Proposals for Topics, Places and Dates of the 5th and 6th International ISKO Conferences in the years 1998 and 2000

Warsaw Seminar Proceedings

The printing of the proceedings of the Research Seminar on *Compatibility and Integration of Order Systems*, Warsaw, Sept.13-15, 1995, has been delayed. Participants and interested colleagues are kindly asked to wait for two more months until delivery. Orders may be sent to ISKO's General Secretariat at Woogstr. 36a, D-60431 Frankfurt or to our Polish Coordinator, Mrs.Krystyna Siwek, Society for Professional Information (TIP), Ul. Klonowa 18, PL-00591 Warszawa, Poland. Fax: +48-22-48 88 08.

2nd Spanish ISKO Chapter Conference

EOCONSID'95, the Second Meeting on Knowledge Organization in Information and Documentation Systems (II Encuentro sobre Organización del Conocimiento en Sistemas de Información y Documentación) was recently held in Madrid, Nov.16-17, 1995 at the University Carlos III of Madrid, thanks to the gentle offer of its Library and Information Science Department. It was prepared by ISKO members in Spain. The organizational staff was formed by Dr. Emilia Currás (Chairperson), Miguel Angel Esteban, Javier García Marco (Secretary), Julián Colina, Blanca Gil, Gonzalo Gil, Adelaida Román, Rosa San Segundo Manuel, José Luis Uriondo.

As its name suggests, the conference was mainly intended to be a place of meeting for theoreticians, professionals, teachers and advanced students in our field. As already at our first Regional ISKO Conference, the meeting was divided into three sessions, devoted respectively to theoretical, instructional, and applied research and experiences in the field of Knowledge Organization. A fourth session was included about organizing administrative information. There was an extensive participation from universities all over Spain, with an important professional presence. The conference schedule included the Assembly of the Spanish ISKO Chapter. The conference was an occasion to enhance ISKO membership and activities in Spain, almost ten new members signed up. Also a new member from Salamanca joined the Spanish Chapter Executive Board. We truly thank all the participants for what may be considered a fully achieved agenda.

Greetings and Introduction were delivered by Emilia Currás, who thereafter gave the opening lecture on "Chaos and Order in Knowledge Organization". A greeting fax from Ingetraut Dahlberg was publicly read at the inauguration. The closing lecture was delivered by the Chair of the German ISKO Chapter: Dr. Peter JAENECKE on "Knowledge Organization through Theory Building". The papers presented were the following:

Session 1: Theoretical Background and Basic Research

(Coordination by José María Izquierdo and Luis Miguel Moreno, University of Murcia). IZQUIERDO ARROYO, J.M. (Univ. de Murcia): Faceted languages and associative relations: disfunctionalities in current thesauri. – AGUSTIN LACRUZ, M.C. (Univ. de Zaragoza): Los lenguajes de materias en lengua francesa. – CHAIN NAVARRO, C. (Univ. de Murcia): Information management systems for a better quality management. – FRIAS MONTOYA, J.A. (Univ. de Salamanca): Sex, lies and cataloguing records:

prejudices and discrimination in documentary languages. – GARCIA MARCO, L.F., GARCIA MARCO, F.J. (Univ. de Zaragoza): Abstracting fiction documents. – IZQUIERDO ARROYO, J.M., MORENO FERNANDEZ, L.M., CHAIN NAVARRO, C. (Univ. de Murcia): Formal treatment of definitions: a conceptual net for terminological control in documentation. – LOPEZ-HUERTAS PEREZ, M.J. (Univ. de Granada): On thesauri design: some theoretical and methodological considerations. – MORENO FERNANDEZ, L.M. (Univ. de Murcia): the critical abstract in scientific information. – SANCHEZ CASABON, A.I. (Univ. de Zaragoza): History of subject headings in Spain. – TRAMULLAS SAZ, J. (Univ. de Zaragoza): Knowledge Organization and data models. – ESTEBAN NAVARRO, M.A. (Univ. de Zaragoza): Vocabulary control for documentary languages design.

Session 2: Teaching experiences. (Coordination and chair by Rosa San Segundo Manuel, Univ. Carlos III of Madrid). ALONSO AREVALO, J., MORO CABERO, M. (Univ. de Salamanca): Methodology for a UDC-based indexing handbook. – CARO CASTRO, C. (Univ. de Salamanca): Methodological proposal for thesauri-based indexing teaching. – CARRIZO, G. (Univ. Carlos III de Madrid): Practical experiences in information centers as a key aspect of LIS education. – FRIAS MONTOYA, J.A. (Univ. de Salamanca): Access point control instruction in the LIS studies of the University of Salamanca. – GARCIA MARCO, F.J. (Univ. de Zaragoza): Conceptual maps as a teaching tool of Knowledge Organization. – GASCON, J. (Escuela "Jordi Rubio i Balaguer", Barcelona): Contenidos separados, contenidos solapados: reflexiones sobre la decencia en organización del conocimiento. – IZQUIERDO ARROYO, J.M., MORENO FERNANDEZ, L.M., CHAIN NAVARRO, C. (Univ. de Murcia): Multimedia teaching tools in LIS education: an evaluation. – MERLO VEGA, J.A. (Univ. de Salamanca): Teaching to classify in the Spanish University. – MERLO VEGA, J.A., RODRIGUEZ BRAVO, B. (Univ. de Salamanca): Teaching documentary languages in the University of León: past, present and future. – SAN SEGUNDO MANUEL, R. (Univ. Carlos III de Madrid): Limits in Knowledge Organization teaching.

Session 3: Applied Research (Coordination and Chair: Adelaida Roman, CINDOC and Rosa Segui, E.U.B.D. "Jordi Rubio" de Barcelona). COLINA, J. (Proyecto Hemeros, Madrid): A basic vocabulary for information retrieval in sociology. – GARCIA MARCO, F.J. (Univ. de Zaragoza): Knowledge organization in INTERNET. – GIL LEIVA, I., RODRIGUEZ MUÑOZ, J.V. (Univ. de Murcia): From manual to automatic indexing. – GIMENA TOLEDO, E., MARCOS MORA, M.C., SANCHEZ CORO, E., SANTOS VALERA, S.: OPACs for children libraries. – HERNANDEZ CARRASCAL, F., AGENJO BULLON, J. (Biblioteca Nacional, Madrid): Knowledge systems for improved bibliographic retrieval. – LOPEZ ALONSO, M.A. (CINDOC, Madrid): Intelligent acquisition of juridical knowledge. – MUÑOZ ESCOLA, M. (Univ. de Zaragoza): Applications of historical lexicography to information retrieval. – PASTOR SANCHEZ, J.A., SAORIN, T. (Univ. de Murcia):

Hypertext as a Knowledge Organization model. – SALES, P., GARCIA, A., ROMAN, A. (CINDOC): Scientific journals, knowledge transmitters: an evaluative methodology. **Session 4: Administrative Information** (Coordination and Chair: Miguel Angel Esteban and José Luis Urriondo). GAY MOLINS, P. (Univ. de Zaragoza): Archival principles applied to the organization of administrative documentation. – MARTIN-POZUELO, M.P. (Univ. Carlos III de Madrid): Documentation processing in the context of records management. – ESTEBAN NAVARRO, M.A. (Univ. de Zaragoza): Techniques for integrated documentation. – URIONDO MUNIZ, J.L. (Biblioteca del INSS, Madrid): Departments and peripheral administrative documentation. – GONZALO, Y.: Internet resources in the field of administrative documentation. – GILABERT PEDRERO, A. (Siemens-Nixdorf): Doculibre Technical. – TEMPRANO, E. (Chemdata): Administrative documentation retrieval systems.

A conclusion communiqué was approved. It will be published in a future issue of KO.

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Javier Garcia Marco

Explanation and Understanding

ErnstSchröderColloquium and Seminar

Darmstadt, Jan. 26-27, 1996

On Friday, Jan. 26, 1996, the tenth colloquy of the ERNSTSCHRÖDERZENTRUM für Begriffliche Wissensverarbeitung e.V. was held at the Technical University of Darmstadt. Prof. Dr. Patrick SUPPES of the Center for the Study of Language and Information at Stanford University, USA, gave a lecture on "Explanation in Science".

On Saturday, Jan. 27, 1996, the Colloquy was followed by a Seminar under the heading "Explanation and Understanding: How can we talk about reality?" The first part of the Seminar between 9:30 and 12:30 consisted of a series of lectures, based on the following texts:

"Erklären" (to explain): H. Lenk, In: Ritter, J. (Ed.): Historisches Wörterbuch der Philosophie, Bd. 2, D.-F. Darmstadt: Wiss. Buchgesellschaft 1972. p. 690-701

"Verstehen" (to understand): Schaeffler, R. In: Krings, H., Baumgartner, M., Wild, C. (Eds.): Handbuch philosophischer Grundbegriffe. 6. Transzendenten-Zweck. München: Kösel Verlag 1974. p. 1628-1641

"Erklären-Verstehen-Dialog" (The dialogue between an explaining and an understanding person): Schurz, G. In: Stoyan, H. (Ed.): Erklärung im Gespräch – Erklärung im Mensch-Maschine-Dialog. Informatik-Fachberichte 310. Berlin-Heidelberg-New York: Springer Verlag 1992. p. 1-42

"Die Erklären-Verstehen-Kontroverse" (The controversy between explaining and understanding): Apel, K.-O.: Die Erklären-Verstehen-Kontroverse aus transzendentalspragmatischer Sicht. Frankfurt/Main: Suhrkamp Verlag 1975. p. 257-288

"Erklären versus Verstehen in der empirischen Sozialforschung" (Explaining vs understanding in empirical

cal social research): Lamnek, S.: Qualitative Sozialforschung, Bd. 1. Methodologie. München-Wien-heim: Psychologie Verlags Union 1988. p.201-28

“*Interpretation und Objektivität des Verstehens*“ (Interpretation and objectivity of understanding): Habermas, J.: Moralbewußtsein und kommunikatives Handeln. Frankfurt/Main: Suhrkamp Verlag 1983. Suhrkamp Taschenbuch Wissenschaft 422. p.29-52

In the second part of the Seminar, at 14:30pm, Dr. Dr. Norbert SPANGENBERG of the Sigmund-Freud-Institute, Frankfurt, spoke on “*The Analysis of Meaning of Verbal Data*“. Following this lecture, the participants were given the opportunity to do some practical exercise. In the late afternoon, the Seminar was concluded by a comprehensive discussion of the subject.

International Conference on Conceptual Knowledge Processing

This 3-day conference at the Technische Hochschule Darmstadt, Febr. 28 – March 1, 1996 continued a sequence of meetings which started with the „Arbeitstagung Begriffsanalyse“ in January 1986 (see Ganter, Wille, Wolff: Beiträge zur Begriffsanalyse, Mannheim: B.I. Wissenschaftsverlag 1987). The International Conference followed two meetings on „Begriffliche Wissensverarbeitung“ which took place in 1994 and 1995 (see Wille, Zickwolff: Begriffliche Wissensverarbeitung: Grundfragen und Aufgaben, B.I. Wissenschaftsverlag 1994). These meetings had been stimulated by the foundation of the **ERNST SCHRÖDER ZENTRUM FÜR BEGRIFFLICHE WISSENSVERARBEITUNG** in which scholars from mathematics, computer, information and social sciences combine to advocate and work for a human-centered development and use of tools and media in information and knowledge processing. The 1996 conference continued – on an international level – the started exchange and discourse about actual research on conceptual knowledge processing. The conference was organized by the *Forschungsgruppe Begriffsanalyse* at the Technische Hochschule Darmstadt in cooperation with the *Ernst Schröder Zentrum* and the *International Society for Knowledge Organization* (ISKO).

The following 35 papers were presented and discussed (all in plenary sessions) during the 3 days with one-hour breaks in the mornings and afternoons and two-hour breaks at noontime: GANTER, B. (Dresden): Concepts and implications. – SOWA, J. (Binghampston, USA): Representing contexts and intentions in logic. – STUDER, R. (Karlsruhe): Model-based knowledge engineering: Principles and methods of the MIKE approach. – BAADER, F. (Aachen): Applying methods from Formal Concept Analysis in terminological knowledge representation. – FUNK, P., LEWIEN, A., SNETTING, G. (Braunschweig): Algorithms for concept lattice decomposition and their applications. – BURMEISTER, P. (Darmstadt): Some strategies for knowledge acquisition with ConImp. – SKORSKY, M., VOGT, F. (Darmstadt): TOSCANA and Anaconda: Current developments of programs for Formal Concept Analysis. – LINDIG, C. (Braunschweig): TkConcept – a concept analysis frame-

work. – KENT, R. (Washington, DC): Applications of Formal Concept Analysis to digital library technology. – CHAUDRON, L. (Toulouse, FR): First steps towards first order logic in Formal Concept Analysis. – BICHINDARITZ, I. (Paris): A comparison of Formal Concept Analysis with Artificial Intelligence methods. – WETTER, T. (Heidelberg): Founding eComputer Assisted Knowledge Acquisitioon on Terminologies and Ontologies. – HABIB, M. (Montpellier, FR): Efficient hierarchy encoding. – CHEIN, M. (Montpellier, FR): Labelled graph morphism as a reasoning tool. – KEELER, M. (Seattle, USA): A Peircean view of human-centered technology design. LEHMANN, F. (Irvine, USA): Differences among conceptual hierarchies. – ZELGER, J. (Innsbruck, Austria): Selection of relevant information from unordered verbal data by the GABEK-Network-Analysis. – WETTER, A. de, POTHAS, A. (Vanderbijlpark, South Africa): Two applications of GABEK: Enhancing mutual understanding between groups and revealing qualitative information. – BURUSCO, A., FUENTES-GONZALEZ, R.: Formal concept analysis in E-contexts. – ONO, Y. (Tokyo, Japan): A feature selection to detect functional structures in multidimensional symbolic data. – YAGUCHI, H. (Tokyo, Japan): A study of feature clustering for multivariate data analysis. – DIDAY, E. (Le Chesney, France): Symbolic data analysis of probabilistic objects.

DOIGNON, J.-P. (Brussels, Belgium): Comparing algorithms for formal concepts and knowledge states. – RICHTER, M.M. (Kaiserslautern): Knowledge representation and Case Based Reasoning. – GÖDERT, W. (Köln): Information as a cognitive construction: consequences for information systems. – SEDELOW, S. (Little Rock, USA): Thesauri and Formal Concept Analysis. – FELLBAUM, C. (Princeton, USA): The representation of verb concepts in a semantic network. – PRISS, U. (Darmstadt): The treatment of lexical databases in relational concept analysis. – EKLUND, P. (Adelaide, Australia): Document retrieval using SNOMED and Formal Concept Analysis. – SHEARER, K. (Durham, USA): Toward a universal language for organization of knowledge and retrieval of information. – SEDELOW, W. (Little Rock, USA): Concept analysis and Formal Concept Analysis. – NOWAK, C. (Adelaide, Australia): Conceptual knowledge and preference. – LEIPOLD, A. (Kaiserslautern): Principles for the creation of hypermedia documents. – WILLE, R. (Darmstadt): Conceptual landscapes of knowledge: A pragmatic paradigm of conceptual knowledge processing.

A preconference proceedings volume had not been planned. It is considered to publish selected papers in a book at a later date. For further information please contact: Prof. Dr. Rudolf Wille, FB Mathematik, Technische Hochschule, Schloßgartenstr. 7, D-64289 Darmstadt.. Phone +49-6151-163415, Fax +49-6151-1164011, Email: ConKnow@mathematik.th-darmstadt.de.